MathMINDs Games: South of the Sahara

MIND Research Institute created storybook games to give students, teachers, and families a completely new way to engage with math. Each story teaches the game and brings together historical facts, ancient gameplay, mathematics, and the world around us to create a highly connected experience.

3 games | Available in English and Spanish | Ages 7+

<table>
<thead>
<tr>
<th>Game</th>
<th>From:</th>
<th>Players:</th>
<th>Time:</th>
<th>Cultural connections:</th>
<th>Math connections:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achi</td>
<td>Ghana</td>
<td>2</td>
<td>10-20 min</td>
<td>Gold weights from Ghana, magic square from China</td>
<td>Fluently add within 20, solve missing addend problems</td>
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<tr>
<td>Gulugufe</td>
<td>Mozambique</td>
<td>2-4</td>
<td>20-30 min</td>
<td>Butterfly species discovered in Mozambique</td>
<td>Understanding negation</td>
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<tr>
<td>Fanorana</td>
<td>Madagascar</td>
<td>2</td>
<td>20-30 min</td>
<td>Lemurs’ ability to compare numbers</td>
<td>Comparing numbers, sorting numbers</td>
</tr>
</tbody>
</table>

MathMINDs Games: South of the Sahara has been honored with a 2018 Academics’ Choice Award, a prestigious seal of educational quality, reserved only for the best mind-building media and toys.

Learn more: mindresearch.org/mathminds
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MathMINDs Games invites the entire community to come and play math together. These game boards and storybooks are all you need to run a complete family engagement event that combines literacy, math, history, and geography.

Great for
- Family math/literacy/STEM nights
- Volunteer/employee engagement
- Classrooms (station rotation, buddy system, rainy day)
- Family and at-home engagement
- Libraries and children’s museums
- Community clubs and groups

How to Host a Successful Family Engagement Event
- Pass out the games and allow families to lead the experience.
- Encourage families to play the games in order (1. Achi, 2. Gulugufe, 3. Fanorona).
- Plan to have only one volunteer for every 15-20 attendees.
- Volunteers can help families act out the storybook scenarios on the game board.
- Provide an alternate activity area for early learners under seven years old.
  (free activities available at mindresearch.org/mathmindsresources).
- Plan for 45-60 minutes of game play for Achi and Gulugufe (Fanorona is a great challenge game).

Learn more! Visit us at mindresearch.org/mathminds

Math is from everywhere, in everything, and for everyone.
#MathMINDs

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